

Table 1 Radiation resistant single-mode fiber

Model name	unit	RRSMFA	RRSMFB	RRSMFC
Operating wavelength	μm	1.3	1.3	0.85
Attenuation (@850nm)	dB/km	-	-	≤15
Attenuation (@1310nm)	dB/km	≤0.4	≤0.5	-
Attenuation (@1550nm)	dB/km	≤0.3	≤0.5	-
Cutoff wavelength	nm	≤1260		≤800
Polarization mode dispersion	ps/km ^{1/2}	≤0.5		-
Minimum zero dispersion wavelength	nm	1290		-
Maximum zero dispersion wavelength	nm	1324		-
Zero dispersion slope	ps/nm ² /km	≤0.093		-
Mode field diameter (@850nm)	μm	-	-	6.8 +/- 1.0
Mode field diameter (@1310nm)	μm	9.1 +/- 0.7	8.6 +/- 0.7	-
Cladding diameter	μm	125 +/- 1		
Cladding non circularity	%	≤1.0		
Core / cladding concentric error	μm	≤0.8		
Coating diameter	μm	245 +/- 5		